ELSEVIER

Marine Chemistry 66 (1999) 259–260

MARINE CHEMISTRY

Contents Vol. 66 (1999)

Research Papers

Low dissolved Fe and the absence of diatom blooms in remote Pacific waters of the Southern Ocean
H.J.W. de Baar, J.T.M. de Jong, R.F. Nolting, K.R. Timmermans, M.A. van Leeuwe, U. Bathmann, M. Rutgers van der Loeff and J. Sildam 1

Analysis of the optical properties of the Orinoco River plume by absorption and fluorescence spectroscopy
C.E. Del Castillo, P.G. Coble, J.M. Morell, J.M. López and J.E. Corredor 35

Diagenesis of carbon and nutrients and benthic exchange in sediments of the Northern Adriatic Sea
D.E. Hammond, P. Giordani, W.M. Berelson and R. Poletti 53

Arsenic speciation in scallops
V.W.-M. Lai, W.R. Cullen and S. Ray 81

Geochemistry of major elements and trace metals in suspended matter of the Scheldt estuary, southwest Netherlands
J.J.G. Zwolsman and G.T.M. van Eck 91

Polycyclic aromatic hydrocarbon (PAH) source, sediment deposition patterns, and particle geochemistry as factors influencing PAH distribution coefficients in sediments of the Elizabeth River, VA, USA
S. Mitra, R.M. Dickhut, S.A. Kuehl and K.L. Kimbrough 113

Dissolved trace metals in the Western Mediterranean Sea: total concentration and fraction isolated by C18 Sep-Pak technique
Y.-Y. Yoon, J.-M. Martin and M.H. Cotté 129

Determination of the Zn/Si ratio in diatom opal: a method for the separation, cleaning and dissolution of diatoms
M.J. Ellwood and K.A. Hunter 149

Wet-oxidation and automated colorimetry for simultaneous determination of organic carbon, nitrogen and phosphorus dissolved in seawater
P. Raimbault, W. Pouvesle, F. Diaz, N. Garcia and R. Sempéré 161

Chlorofluorocarbon CFC-11 and carbon tetrachloride removal in Saanich Inlet, an intermittently anoxic basin
B.-S. Lee, J.L. Bullister and F.A. Whitney 171

Annual cycle of fCO_2 under sea-ice and in open water in Prydz Bay, East Antarctica
J.A.E. Gibson and T.W. Trull 187

In situ sulfide removal and CO_2 fixation rates at deep-sea hydrothermal vents and the oxic/anoxic interface in Framvaren Fjord, Norway
K.W. Mandernack and B.M. Tebo 201

Dimethylsulfide enrichment in the surface microlayer of the South China Sea
G.-P. Yang 215

A 'gilled' benthic chamber for extended measurement of sediment-water fluxes
J.W. Morse, G. Boland and G.T. Rowe 225

Hydrocarbons in the Bay of Bengal and Central Indian Basin bottom sediments: indicators of geochemical processes in the lithosphere
T.G. Chernova, A.L. Paropkari, Yu.I. Pikovskii and T.A. Alekseeva 231

Technical Notes
Spectrophotometric measurement of chlorophyll pigments: a comparison of conventional monochromators and a reverse optic diode array design
R.P. Dunne 245
On the measurement of pigment concentrations by monochromator and diode-array spectrophotometers
M. Latasa, R.R. Bidigare, M.E. Ondrusek and M.C. Kennicutt II 253

Author Index Vol. 66 255

Keyword Index Vol. 66 257

Contents Vol. 66 259